CLAIMS

Please amend the claims as follows.

- (Currently Amended) A composition-eapable-of for emitting circularly polarised light comprising a medium including a chiral, helical liquid crystalline phase with a substantially fixed, temperature independent helical pitch, said liquid crystalline phase being comprised of calamatic liquid crystal molecules having a luminescent moiety and the composition being such that excitation of the luminescent moiety causes the medium to emit light in the bandwidth of selective reflection of the liquid crystalline phase.
- (Original) A composition as claimed in claim 1 wherein the chiral, helical liquid crystalline phase is a chiral nematic liquid crystalline phase.
- (Original) A composition as claimed in claim 1 wherein the chiral, helical liquid crystalline phase is a chiral, smectic C liquid crystalline phase.
- (Currently amended) A composition as claimed in claim 1 wherein the liquid crystalline phase is in the form of a glass.
- 5. (Currently amended) A composition-eapable-of for emitting circularly polarised light comprising a medium including a chiral, helical liquid crystalline phase in the form of a glass, said liquid crystalline phase being comprised of calamatic liquid crystal molecules having a luminescent moiety and the composition being such that excitation of the luminescent moiety causes the medium to emit light in the bandwidth of selective reflection of the liquid crystalline phase.
- (Previously presented) A composition as claimed in claim 4 wherein the glass transition temperature (T_o) of the calamatic liquid crystal molecules is greater than 50°C.

- (Previously presented) A composition as claimed in claim 1 wherein the calamatic liquid crystal molecules are present in the form of a polymerised network.
- 8. (Currently amended) A composition-eapable of for emitting circularly polarised light comprising a medium including a chiral, helical liquid crystalline phase in the form of a polymerised network, said liquid crystalline phase being comprised of calamatic liquid crystal molecules having a luminescent moiety and the composition being such that excitation of the luminescent moiety causes the medium to emit light in the bandwidth of selective reflection of the liquid crystalline phase.
- (Previously presented) A composition as claimed in claim 1 wherein the luminescent moiety of the calamatic liquid crystal molecules is an electroluminescent moiety.
- 10. (Previously presented) A composition as claimed in claim 1 wherein the emission spectrum of the moiety is tuned to the bandwidth of selective reflection of the liquid crystalline phase.
- 11. (Currently amended) A composition as claimed in claim 1 wherein the composition incorporates a dye-eapable-of for absorbing the emission of the luminescent moiety and re-emitting light having a wave length in the bandwidth of selective reflection.
- 12. (Previously presented) A composition as claimed in claim 1 wherein the composition incorporates a dye which can be excited by non-radiative transfer from the liquid crystal molecules to the dve.

- (Currently amended) A composition as claimed in claim 1—8 wherein the luminescent moiety of the calamatic liquid crystalline molecules is an electroluminescent moiety.
- 14. (Previously presented) A composition as claimed in claim 1 wherein the luminescent moiety of the calamatic liquid crystal molecules is a photoluminescent moiety.
- (Previously presented) A composition as claimed in claim 1 wherein the liquid crystal molecules are whole transporting or electron transporting.
- 16. (Previously presented) A composition as claimed in claim 1 wherein the calamatic liquid crystal molecules include at least one chiral centre.
- (Original) A composition as claimed in claim 16 wherein the liquid crystalline phase comprises chiral and achiral liquid crystal molecules.
- 18. (Previously presented) A composition as claimed in claim 1 wherein the calamatic liquid crystal molecules are achiral and the liquid crystalline phase includes a chiral dopant.
- 19. (Previously presented) A composition as claimed in claim 1 wherein the calamatic liquid crystal molecules incorporate a luminescent core comprised of 4 to 6 conjugated aromatic rings, said core being attached to two aliphatic spacer groups.
- (Original) A composition as claimed in claim 19 wherein the aliphatic spacer groups each contain a chain of 4 to 16 carbon atoms.

- (Previously presented) A composition as claimed in claim 19 wherein the core includes a fluorene moiety.
- (Previously presented) A composition as claimed in claim 19 wherein the calamatic liquid crystal molecules are of the formula;

wherein each R is the same or different and represents the spacer group.

- 23. (Original) A composition as claimed in claim 22 wherein one or both of the R groups incorporate a chiral centre.
- (Original) A composition as claimed in claim 23 wherein each R group is of the formula:

 (Original) A composition as claimed in claim 23 wherein each R group is of the formula:

26. (Original) A composition as claimed in claim 23 wherein each R group is of the formula:

- 27. (Currently amended) A light emitting device comprised of a cell having a pair of opposed sides and containing a composition as claimed in—any claim 1, at least one of said sides being transparent to the polarised light emitted by said composition on excitation of the luminescent moiety.
- (Original) A device as claimed in claim 27 wherein the spacing between said opposed sides is to 1 to 10µm.
- (Currently amended) A device as claimed in claim 27 which is eapable of being excited by polarised and/or unpolarised light.
- (Currently amended) A device as claimed in claim 27 empable of emitting which emits circular polarised laser emission.
- (Previously presented) A device as claimed in claim 27 which is an OLED.
- 32. (Currently amended) The eembination of a light emitting device as claimed in claim 27, <u>further combined with and a Liquid Crystal Display liquid crystal display</u> device, said light emitting device providing a source of polarised light for the Liquid Crystal Display device.
- (Currently amended) A method of producing a light emitting device as claimed in claim 29 comprising:

providing a cell having a pair of opposed walls at least one of which is provided on its interior surface with an alignment layer, and filling the cell with a formulation which is a precursor to the composition of claim 1, which incorporates calamatic liquid crystal molecules having a luminescent moiety-and-which is capable of being assembled by said-alignment layer(s) to a chiral, helical liquid crystalline phase, assembling said formulation into a chiral, helical liquid crystalline phasesaid-liquid crystalline phase, and immobilising said phase so as to provide the latter with a fixed, temperature dependent independent helical pitch.

34. (Currently Amended) A method as claimed in claim 33 wherein the or each alignment layer is a photoalignment layer.